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DC - L03 T03 W04

FS - CPI;EPI

IC - G11B11/10

MC - L03-B05F L03-B05K

- T03-D01A W04-D01A

PA - (CASK) CASIO COMPUTER CO LTD

PN - JP4176039 A 19920623 DW199231 G11B11/10 005pp

PR - JP19900175317 19900704

XA - C1992-114621

XIC - G11B-011/10

XP - N1992-195825

AB - J04176039 Photomagnetic recording medium comprises a substrate, a photomagnetic recording layer whose magnetisation direction is changeable by irradiation of optical beam, a reflecting layer of reflectance to optical irradiation for read is changed by heating condition at optical beam irradiation.

- Information is written by change of magnetisation direction of the photomagnetic recording layer and a change of reflectance of the reflecting layer by optical beam irradiation. Pref. the reflecting layer is made of AgZn, CuAlNi or CuAlAg, the photomagnetic recording layer is made of rare earth-transition metal non-crystalline alloy.

- USE/ADVANTAGE - The medium is suitable for analog recording picture film memory, and has improved C/N.

- In an example, a photomagnetic recording disk was prepd. by lamination of a glass substrate, an enhancement layer of ZnS contg. 02 and N2, a 20-500 angstrom (A) thick TbFeCo recording film, a AgZn reflecting layer and ZnS protection layer in this order. Reflectance to 780-905 nm wavelength of laser beam was varied by about 10%, thus C/N was improved by the synergistic effect of both variation of reflectance and Kerr rotating angle.

- (Dwg.1/4)

IW - PHOTOMAGNETIC RECORD MEDIUM ANALOGUE RECORD PICTURE FILM COMPRISE SUBSTRATE PHOTOMAGNETIC RECORD LAYER REFLECT LAYER CONTAIN SILVER@ ZINC@ ALLOY COPPER@ ALUMINIUM@ NICKEL@ ALLOY

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NC - 001

OPD - 1990-07-04

ORD - 1992-06-23

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TI - Photomagnetic recording medium for analog recording picture film - comprises substrate, photomagnetic recording layer and reflecting layer contg. silver@-zinc@ alloy or copper@-aluminium@-nickel@ alloy